

## Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>KANSAS, Southeast</b>				
<b>LINCOLN COUNTY --- LINCOLN [39.03, -98.15]</b>				
	10/12/07 06:30 CST		3K	Lightning
	10/12/07 06:30 CST		0	Source: Broadcast Media
Lightning struck the Lincoln County Courthouse, loosening shingles from the historic building spire and damaging computers inside.				
<b>LINCOLN COUNTY --- 0.7 N LINCOLN [39.04, -98.15], 1.1 N LINCOLN [39.05, -98.15], 1.2 NNE LINCOLN [39.05, -98.14], 0.9 NE LINCOLN [39.04, -98.14]</b>				
	10/12/07 08:40 CST		3K	Flash Flood (due to Heavy Rain)
	10/12/07 14:12 CST		0	Source: Law Enforcement
Flash flooding stalled cars in Lincoln. Water rose up to 2 feet above bridges with 2 city streets barricaded. Flooding came within 100 feet of the Lincoln Junior/Senior High School. Sand bagging also occurred around 2 homes. One of the homes was evacuated. While 3.80 inches of rainfall fell across the area in less than 2 hours.				
<b>Nocturnal convection developed ahead of the main storm system during the morning hours of October 12th. Warm advection ahead of this system caused numerous thunderstorms to train across Central Kansas with flooding reported around Lincoln, Kansas.</b>				
<b>SUMNER COUNTY --- 2.1 N ROME [37.20, -97.40]</b>				
	10/12/07 16:37 CST		0	Hail (1.00 in)
	10/12/07 16:37 CST		0	Source: Trained Spotter
<b>SUMNER COUNTY --- 2.8 ENE ROME [37.19, -97.35]</b>				
	10/12/07 16:39 CST		0	Thunderstorm Wind (MG 58 kt)
	10/12/07 16:39 CST		0	Source: Trained Spotter
A 67 mph wind gust measured with home observing equipment. Also produced pea sized hail.				
<b>A strong system was moving out of the southern plains. Warm advection ahead of this system lead to a warm frontal boundary moving across Southern Kansas. This warm and unstable air lead to an isolated thunderstorm moving out of Oklahoma and producing isolated severe weather in Sumner County, Kansas.</b>				
<b>RUSSELL COUNTY --- 6.4 SSE HOMER [38.76, -98.70]</b>				
	10/13/07 22:50 CST		0	Hail (1.25 in)
	10/13/07 22:50 CST		0	Source: COOP Observer
<b>ELLSWORTH COUNTY --- 0.5 E WILSON ARPT [38.83, -98.47]</b>				
	10/13/07 23:20 CST		0	Hail (1.00 in)
	10/13/07 23:20 CST		0	Source: Law Enforcement
<b>Waves along a cold frontal boundary lead to strong thunderstorms across Northwest and Central Kansas during the late evening of October 13th. Storms initiated along the cold front in Northwest Kansas and eventually moved into Central Kansas with an isolated severe storm in Central Kansas.</b>				
<b>HARPER COUNTY --- 0.6 E HARPER MUNI ARPT [37.28, -98.04]</b>				
	10/14/07 14:47 CST		0	Hail (1.00 in)
	10/14/07 14:47 CST		0	Source: Law Enforcement
<b>HARPER COUNTY --- 4.1 NNW SHOOK [37.15, -98.17]</b>				
	10/14/07 15:11 CST		0	Hail (0.88 in)
	10/14/07 15:15 CST		0	Source: Law Enforcement
The hail stones covered the ground.				
<b>HARPER COUNTY --- 1.5 SSW HARPER [37.26, -98.03]</b>				
	10/14/07 15:23 CST		0	Thunderstorm Wind (EG 52 kt)
	10/14/07 15:23 CST		0	Source: Law Enforcement
Thunderstorm winds occurred near the junction of K-2 and highway 160.				

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<b>MCPHERSON COUNTY --- 1.6 E MC PHERSON [38.37, -97.64]</b>				
	10/14/07 15:34 CST		0	Hail (1.75 in)
	10/14/07 15:34 CST		0	Source: Amateur Radio
<b>KINGMAN COUNTY --- 0.7 N NORWICH [37.46, -97.85]</b>				
	10/14/07 15:44 CST		0	Hail (0.75 in)
	10/14/07 15:44 CST		0	Source: COOP Observer
<b>KINGMAN COUNTY --- 0.7 N NORWICH [37.46, -97.85]</b>				
	10/14/07 15:44 CST		0	Thunderstorm Wind (EG 52 kt)
	10/14/07 15:44 CST		0	Source: Trained Spotter
<b>KINGMAN COUNTY --- 1.3 WSW NORWICH [37.44, -97.87]</b>				
	10/14/07 16:00 CST		10K	Thunderstorm Wind (EG 52 kt)
	10/14/07 16:10 CST		0	Source: Law Enforcement
A Small barn was blown down.				
<b>SEDGWICK COUNTY --- 0.6 W COLWICH [37.78, -97.54]</b>				
	10/14/07 16:28 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	10/14/07 16:31 CST		0	Source: Trained Spotter
An aluminum shed that was not tied down was blown over. Also a small outbuilding sustained damage. Additionally small tree limbs were downed.				
<b>HARVEY COUNTY --- 1.3 WNW HESSTON [38.14, -97.45]</b>				
	10/14/07 16:30 CST		0.10M	Thunderstorm Wind (EG 52 kt)
	10/14/07 16:33 CST		0	Source: Newspaper
A 100 year old barn was destroyed. Major damage also occurred to the granary with minor damage to a tractor, a truck and gravity wagons stored inside the barn.				
<b>SUMNER COUNTY --- 1.3 ESE BELLE PLAINE [37.39, -97.21]</b>				
	10/14/07 19:37 CST		0	Thunderstorm Wind (EG 52 kt)
	10/14/07 19:37 CST		0	Source: Trained Spotter
<b>COWLEY COUNTY --- 4.1 NNE UDALL [37.43, -97.08]</b>				
	10/14/07 19:53 CST		1K	Thunderstorm Wind (EG 61 kt)
	10/14/07 19:53 CST		0	Source: Trained Spotter
Large tree branches were also blown down.				
<b>BUTLER COUNTY --- 3.6 NNW BENTON [37.83, -97.14], 3.6 N BENTON [37.83, -97.13], 2.9 N BENTON [37.82, -97.13], 3.1 NNW BENTON [37.82, -97.14]</b>				
	10/14/07 20:15 CST		0.50K	Flash Flood (due to Heavy Rain)
	10/14/07 22:15 CST		0.50K	Source: Law Enforcement
Flooding occurred near the intersection of Butler and Parallel road. Road was barricaded for a few hours due to high water.				
<b>A strong and dynamic storm system made slow progress across Kansas. Severe thunderstorms erupted along a cold front that made slow progress across the region. The areas hardest hit areas were Central and South Central Kansas where large hail and eventually a bowing segment of storms produced wind and hail damage.</b>				
<b>CHAUTAUQUA COUNTY --- 4.4 W HEWINS [37.03, -96.50]</b>				
	10/21/07 20:46 CST		0	Hail (0.75 in)
	10/21/07 20:46 CST		0	Source: Trained Spotter
<b>CHAUTAUQUA COUNTY --- 4.4 W HEWINS [37.03, -96.50]</b>				
	10/21/07 21:12 CST		0	Hail (0.75 in)
	10/21/07 21:12 CST		0	Source: Trained Spotter

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<b>WILSON COUNTY --- 4.8 ENE COYVILLE [37.71, -95.82]</b>				
	10/21/07 21:15 CST		0	Hail (0.75 in)
	10/21/07 21:15 CST		0	Source: Trained Spotter
<b>WOODSON COUNTY --- 0.9 SW YATES CENTER [37.87, -95.74]</b>				
	10/21/07 21:27 CST		0	Hail (1.00 in)
	10/21/07 21:27 CST		0	Source: Trained Spotter
A powerful cold front surged southeast across the area during the evening hours of October 30th. Strong to severe elevated thunderstorms developed behind the cold front across Southeast Kansas during the late evening hours, as a potent upper level disturbance approached from the west.				
<b>HARPER COUNTY --- 3.5 N SHOOK [37.15, -98.14], 0.8 NW ANTHONY [37.16, -98.04]</b>				
	10/17/07 15:25 CST		3.50K	Thunderstorm Wind (EG 52 kt)
	10/17/07 15:29 CST		0	Source: Law Enforcement
A small trailer was blown down west of Anthony. Also, a large tree was blown down in the town of Anthony.				
<b>SUMNER COUNTY --- 0.7 N DRURY STATION [37.04, -97.48]</b>				
	10/17/07 15:51 CST		0	Thunderstorm Wind (EG 52 kt)
	10/17/07 15:51 CST		0	Source: Trained Spotter
<b>SUMNER COUNTY --- 3.4 NE MILTON [37.46, -97.73]</b>				
	10/17/07 15:56 CST		0	Thunderstorm Wind (EG 52 kt)
	10/17/07 15:56 CST		0	Source: Trained Spotter
<b>SUMNER COUNTY --- 0.7 N ROLAND [37.26, -97.55], 4.5 W WELLINGTON ARPT [37.32, -97.46]</b>				
	10/17/07 16:00 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	10/17/07 16:08 CST		0	Source: Trained Spotter
Estimated 60 mph winds occurred along the path with a large tree knocked down.				
<b>SEDGWICK COUNTY --- 2.1 NW CLONMEL [37.59, -97.58]</b>				
	10/17/07 16:19 CST		0	Thunderstorm Wind (EG 52 kt)
	10/17/07 16:19 CST		0	Source: Trained Spotter
<b>SEDGWICK COUNTY --- 0.8 E MIDLAND PARK [37.58, -97.32]</b>				
	10/17/07 16:30 CST		0	Thunderstorm Wind (EG 52 kt)
	10/17/07 16:30 CST		0	Source: Broadcast Media
Thunderstorm gust was reported by KWCH-TV storm team.				
<b>COWLEY COUNTY --- 0.7 N UDALL [37.39, -97.12]</b>				
	10/17/07 16:33 CST		0	Hail (1.00 in)
	10/17/07 16:33 CST		0	Source: Trained Spotter
<b>COWLEY COUNTY --- 4.1 WSW ROCK [37.43, -97.07]</b>				
	10/17/07 16:33 CST		0	Hail (1.00 in)
	10/17/07 16:33 CST		0	Source: Trained Spotter
Estimated 50 mph wind gusts accompanied the hail.				
<b>BUTLER COUNTY --- 0.8 SSW ANDOVER [37.71, -97.13], 0.8 SSW ANDOVER [37.71, -97.13]</b>				
	10/17/07 16:45 CST		1M	Thunderstorm Wind (EG 87 kt)
	10/17/07 16:50 CST		0	Source: Emergency Manager

Straight line winds caused extensive damage to a business. The business was a large span, morton type building with metal siding and roofs. Four large garage doors were blown in and the roof was partially removed. Cold storage lockers in the parking lot were thrown 20 to 40 feet. Some power lines were also knocked down. No injuries occurred, due to the plant employees being sent home earlier in the day due to a power outage.

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<b>BUTLER COUNTY --- 1.8 ESE EL DORADO RES [37.86, -96.79]</b>				
	10/17/07 17:01 CST		1.50K	Thunderstorm Wind (EG 61 kt)
	10/17/07 17:05 CST		0	Source: Law Enforcement
A wood frame building was blown down by thunderstorm wind gusts.				
<b>MARION COUNTY --- 1.5 SW LOST SPGS [38.55, -96.99]</b>				
	10/17/07 17:30 CST		26K	Thunderstorm Wind (EG 61 kt)
	10/17/07 17:35 CST		0	Source: Newspaper
A machine shed was destroyed by straight line winds. The structure measured 54 feet by 72 feet. Five large evergreen trees were also broken off, with one uprooted.				
<b>COWLEY COUNTY --- 7.0 E ROCK [37.45, -96.87]</b>				
	10/17/07 17:40 CST		0	Heavy Rain
	10/17/07 17:40 CST		0	Source: Trained Spotter
Total rainfall from the event was 4.1 inches.				
<b>MONTGOMERY COUNTY --- 0.9 NE TYRO [37.04, -95.82]</b>				
	10/17/07 17:51 CST		0	Hail (1.00 in)
	10/17/07 17:51 CST		0	Source: Trained Spotter
<b>MONTGOMERY COUNTY --- 0.7 NE INDEPENDENCE [37.24, -95.71]</b>				
	10/17/07 18:01 CST		0	Thunderstorm Wind (MG 51 kt)
	10/17/07 18:01 CST		0	Source: Mesonet
Thunderstorm wind gust was measured by the mesonet site at Independence High School.				
<b>NEOSHO COUNTY --- 0.9 NE THAYER [37.49, -95.47]</b>				
	10/17/07 18:27 CST		0	Thunderstorm Wind (EG 52 kt)
	10/17/07 18:27 CST		0	Source: Trained Spotter
Another highly dynamic system moved across the area on Oct. 17th, 2007. This system lead to the development of a fast moving line of thunderstorms that affected portions of Central and South Central Kansas.				
<b>KINGMAN COUNTY --- 1.8 NE CLEVELAND [37.57, -98.11]</b>				
	10/17/07 09:15 CST		0	Hail (0.75 in)
	10/17/07 09:15 CST		0	Source: Law Enforcement
<b>CHAUTAUQUA COUNTY --- CHAUTAUQUA [37.02, -96.18]</b>				
	10/17/07 11:00 CST		7.60K	Thunderstorm Wind (EG 52 kt)
	10/17/07 11:14 CST		0	Source: Law Enforcement
A barn roof sustained damage. Trees were uprooted and a car port was blown down.				
<b>MONTGOMERY COUNTY --- 4.5 NNW WAYSIDE [37.19, -95.91]</b>				
	10/17/07 11:31 CST		0	Thunderstorm Wind (EG 61 kt)
	10/17/07 11:31 CST		0	Source: Trained Spotter
<b>WILSON COUNTY --- 2.8 S NEODESHA [37.39, -95.68]</b>				
	10/17/07 11:45 CST		0.50K	Thunderstorm Wind (EG 61 kt)
	10/17/07 11:45 CST		0	Source: Emergency Manager
Thunderstorm winds knocked down six to ten inch tree limbs.				
<b>WILSON COUNTY --- 0.7 S NEODESHA [37.42, -95.68]</b>				
	10/17/07 11:50 CST		0	Thunderstorm Wind (EG 52 kt)
	10/17/07 11:53 CST		0	Source: Amateur Radio

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<b>NEOSHO COUNTY --- THAYER [37.48, -95.48]</b>				
	10/17/07 12:11 CST		0	Thunderstorm Wind (EG 52 kt)
	10/17/07 12:11 CST		0	Source: Trained Spotter
Small tree limbs were knocked down with three quarter inch hail.				
<b>NEOSHO COUNTY --- 0.6 W GALESBURG [37.47, -95.36]</b>				
	10/17/07 12:15 CST		0	Hail (0.75 in)
	10/17/07 12:15 CST		0	Source: Trained Spotter
<b>NEOSHO COUNTY --- 0.6 E ERIE [37.57, -95.24]</b>				
	10/17/07 12:34 CST		0	Hail (0.88 in)
	10/17/07 12:34 CST		0	Source: Trained Spotter
<b>NEOSHO COUNTY --- 0.6 E STARK [37.68, -95.14]</b>				
	10/17/07 12:43 CST		0	Thunderstorm Wind (EG 52 kt)
	10/17/07 12:43 CST		0	Source: Trained Spotter
<b>HARPER COUNTY --- 0.7 N ATTICA [37.24, -98.23]</b>				
	10/17/07 15:22 CST		0	Hail (0.75 in)
	10/17/07 15:22 CST		0	Source: Trained Spotter

A cluster of thunderstorms moved across Southeast Kansas during the morning and midday hours of Oct. 17th, 2007. This cluster of thunderstorms interacted with an outflow boundary to produce large hail and damaging wind gusts across portions of Southeast Kansas.